

CONTRACT CHANGE ORDER MEMORANDUM

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TO: Pete Siegenthaler, Prin. TE / Gary Pursell, P.E., Sup T.E.			FILE: E.A. 04 - 0120F4	
FROM: Gary Pursell, P.E., Sup.T.E.			CO-RTE-PM SF-80-13.2/13.9	
FED. NO.				
CCO#: 21	SUPPLEMENT#: 0	Category Code: CHPA	CONTINGENCY BALANCE (incl. this change) \$141,169,525.58	
COST: \$1,624,352.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Tower Splice Alteration			PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: 2490 Day(s)	Time Adj. This Change: DEF Day(s)	Previously Approved CCO Time Adjustments: 30 Day(s)	Percentage Time Adjusted: (including this change) 1 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 0

THIS CHANGE ORDER PROVIDES FOR:

Increasing the size of Cross Beam Stiffeners, changing the tower field splices, adding seal welds to the tower struts and installing tower intermediate stiffener plates at Skin Plate "D" as shown in this change order.

This change order provides for constructability improvements and clarifies contract requirements. These changes were prepared and proposed for incorporation into the bid documents as Addendum No. 8. The Toll Bridge Project Oversight Committee (TBPOC) directed that Addendum No. 8 not be issued and that these (and other) changes be incorporated by Contract Change Order after contract approval.

This change order incorporates modifications detailed in change requests prepared by the consultant designer, T.Y. Lin International - Moffat & Nichol (J.V.) and transmitted to the Resident Engineer as design Change Request No. 10, 18.1, 18.2, 169 and 179.

1. CHANGES TO ORTHOTROPIC BOX GIRDER DECK (OBGD) CROSS BEAMS.

Increases the size of the stiffeners and adds an additional 12,000 bolts to the OBG crossbeam. This results in an increase of 183,794 kilograms of Structural Steel (Bridge) (Box Girder).

2. CHANGES TO TOWER FIELD SPLICES.

Details for field splicing of the tower legs of the Self-Anchored Suspension Bridge, raised constructability concerns as presented in the bid documents. To simplify construction, the designer proposed field splice changes that have been demonstrated successfully in several full-scale wood models commissioned prior to bid opening. After completion of the models, additional changes were identified to provide improved access for fabrication and inspection, resolve conflicts, and provide additional clarity to the contract plans. These changes are detailed in design Change Request Nos. 10 and 18.1, that resulted in a reduction of 45,472 kilograms of structural steel in the tower.

3. CHANGES TO TOWER STRUTS.

Seal welds were added to the tower leg doubler plate to prevent moisture intrusion and reduce maintenance. The openings on the outer plate were enlarged to accommodate these seal welds.

4. REINSTATE TOWER INTERMEDIATE STIFFENER PLATES AT SKIN PLATE "D".

Addendum No. 4 modified the stiffener plates in the tower to improve constructability due to limited access to certain welds. Some of the stiffener plates were inadvertently omitted in the revised plan sheets. This change order reinstates the missing stiffener plates, thereby resolving Addendum No. 4's intent to make the welding more accessible.

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The increase and decrease of contract items at contract unit prices results in a net increase of \$1,337,748.00.

For the changes in character of work related to additional caulking, paint repair, detailing and field erection procedures and the reduction of cleaning and painting the structural steel beyond contract item work, the Contractor will receive a lump sum payment of \$286,604.00.

The total cost of this change order is \$1,624,352.00, which can be financed from the contingency funds. A detailed cost analysis for this change order has been placed into the project files.

Adjustment of contract time is deferred pending completion of the work specified in this change as the work may impact the controlling operation.

This change order received concurrences from Michael Whiteside (Toll Bridge Design Spec Manager), Marwan Nader (Designer of Record), TBPOC, Rick Morrow (Bridge Rep), Gary Pursell (Resident Engineer), Rob Kobal (HQ Oversight), Pete Siegenthaler (Principal Bridge Engineer). Ken Terpstra (Program Manager) and Reza Valezadeh (CT Oversight). Maintenance concurrence is not required for this change.

This change order received approval from TBPOC on February 15, 2007, for a not-to-exceed amount of \$2,300,000.00.

This change order received a Headquarters "Authority to Proceed" (HQ ATP) on July 21, 2006, and an "Issue and Approve" requiring the Contractor's signature on July 13, 2007.

The change order was submitted to the Contractor for signature on July 13, 2007 and has yet to be executed by the Contractor. It appears that the Contractor will not sign the change order due to the fact that their overseas fabricator in China does not agree with the unit price adjustments at contract item price. The Contractor has been unable to support that an adjustment of compensation is warranted for fabrication.

Since the Contractor did not return the change order signed, on August 24, 2007, this change order received a revised "Issue and Approve" from Headquarters to process the change order unilaterally. The change order was then approved by the Principal Engineer on August 28, 2007. Copies of Headquarters' approvals are attached for reference.

CONCURRED BY:

Construction Engineer:	Res. Eng., Gary Pursell, Sup. TE	Date	7/19/06
Bridge Engineer:	Struct Rep, Rick Morrow, Sup TE	Date	7/19/06
Project Engineer:	CT Oversight, Reza Valizadeh, P.E	Date	2/7/06
Project Manager:	Proj Manager, Ken Terpstra	Date	3/15/07
FHWA Rep.:	PCE, Pete Siegenthaler, Prin TE	Date	7/19/06
Environmental:	Design of Record, Marwan Nader,	Date	6/23/06
Other (specify):	HQ, Rob Kobal	Date	7/20/06
Other (specify):	TBPOC	Date	2/15/07
District Prior Approval By:		Date	
HQ (Issue Approve) By:	HQ, Ken Darby	Date	7/21/06
Resident Engineer's Signature:		Date	

ESTIMATE OF COST

	THIS REQUEST	TOTAL TO DATE
ITEMS	\$1,337,748.00	\$1,337,748.00
FORCE ACCOUNT	\$0.00	\$0.00
AGREED PRICE	\$0.00	\$0.00
ADJUSTMENT	\$286,604.00	\$286,604.00
TOTAL	\$1,624,352.00	\$1,624,352.00

FEDERAL PARTICIPATION

☐ PARTICIPATING
 ☐ PARTICIPATING IN PART
 ☒ NONE
☐ NON-PARTICIPATING (MAINTENANCE)
 ☐ NON-PARTICIPATING

FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)

☒ CCO FUNDED PER CONTRACT
 ☐ CCO FUNDED AS FOLLOWS

FEDERAL FUNDING SOURCE

PERCENT